

PATENT ABSTRACTS OF JAPAN

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(54) HEAT TREATMENT METHOD AND HEAT TREATMENT DEVICE

(57)Abstract:

PURPOSE: To provide a heat treatment method with which the material to be heat-treated can be stably maintained at the desired temperature while its temperature is rising or lowering.

CONSTITUTION: The first and the second heating means are used in the title heat treatment method. (A) The material to be heat-treated is heated up to around the phase transition temperature (T_1) of the material which constitutes the material to be heat-treated by operating the first heating means and this temperature state is maintained for the prescribed hours (t_1 to t_2). (B) Besides, the material to be heat-treated is heated up operating the second heating means in the state wherein the first heating means is in operation, and the material to be heat-treated is maintained at the prescribed temperature (T_2) for the prescribed hours (t_3 to t_4). (C) The operation of the second heating means is stopped while the first heating means is being operated, the temperature of the material to be heat-treated is brought down to around the phase transition temperature (T_1) of the material to be heat-treated, and the temperature state is maintained for the prescribed hours (t_5 to t_6). (D) The operation of the first heating means is stopped, and the material to be heat-treated is cooled



down.

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